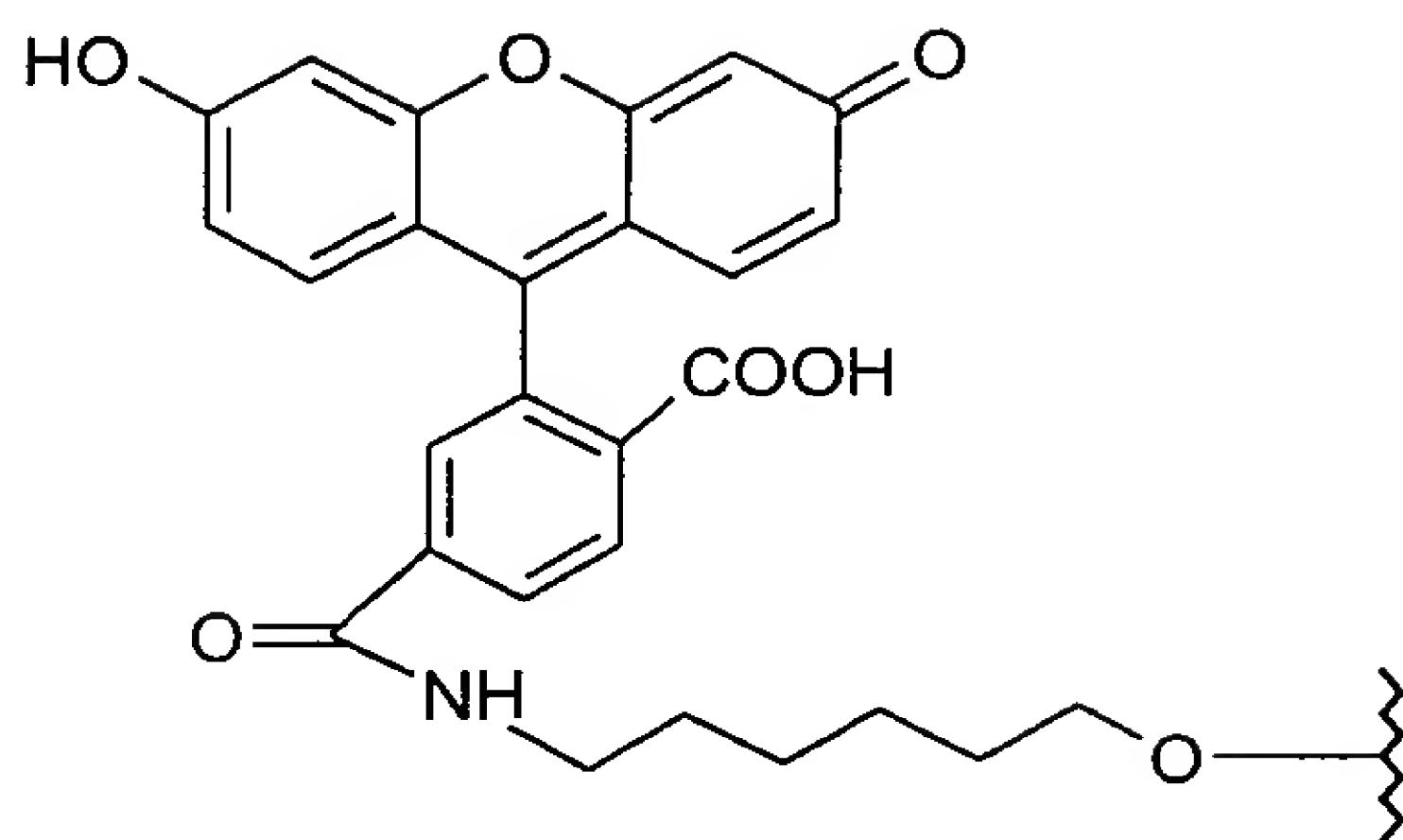
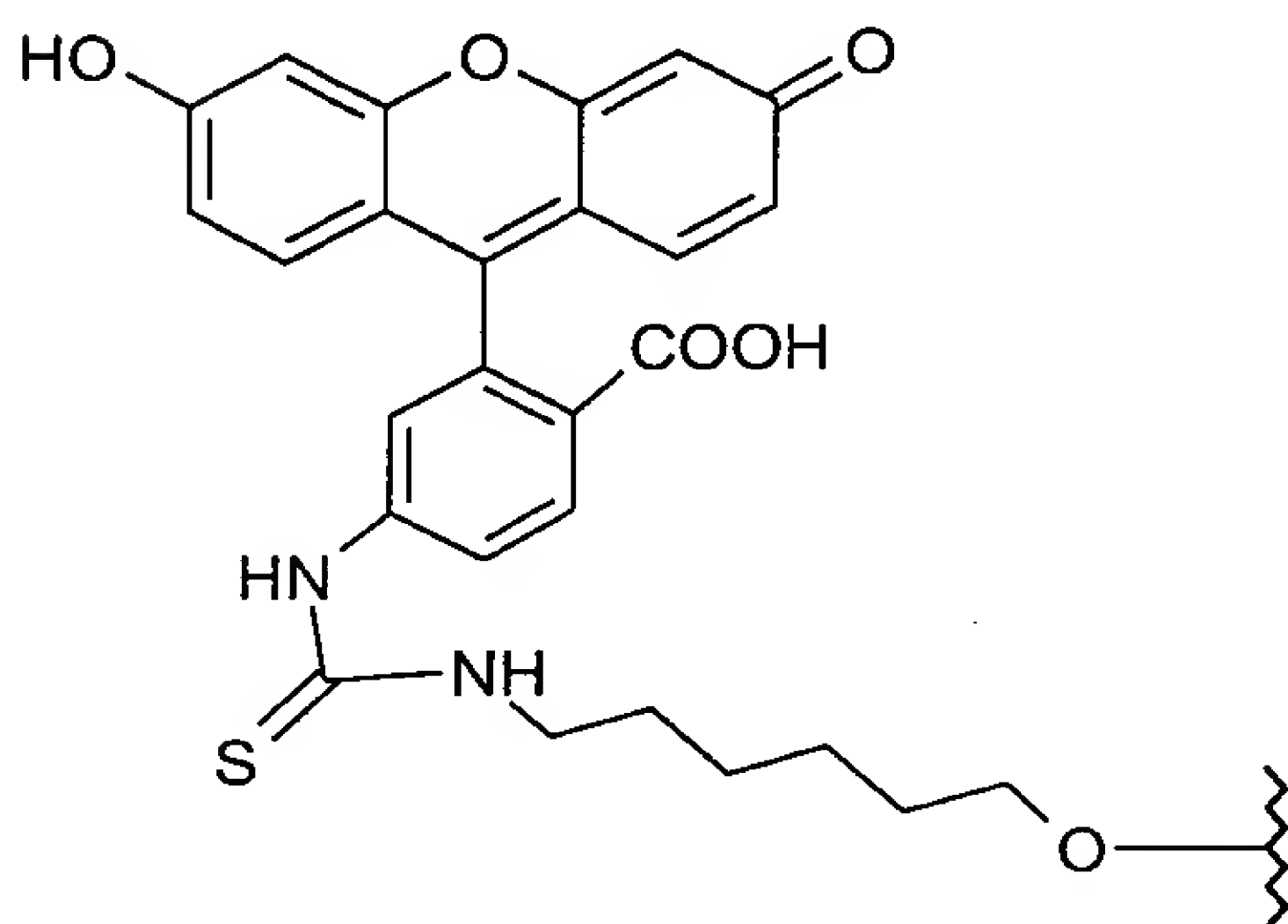


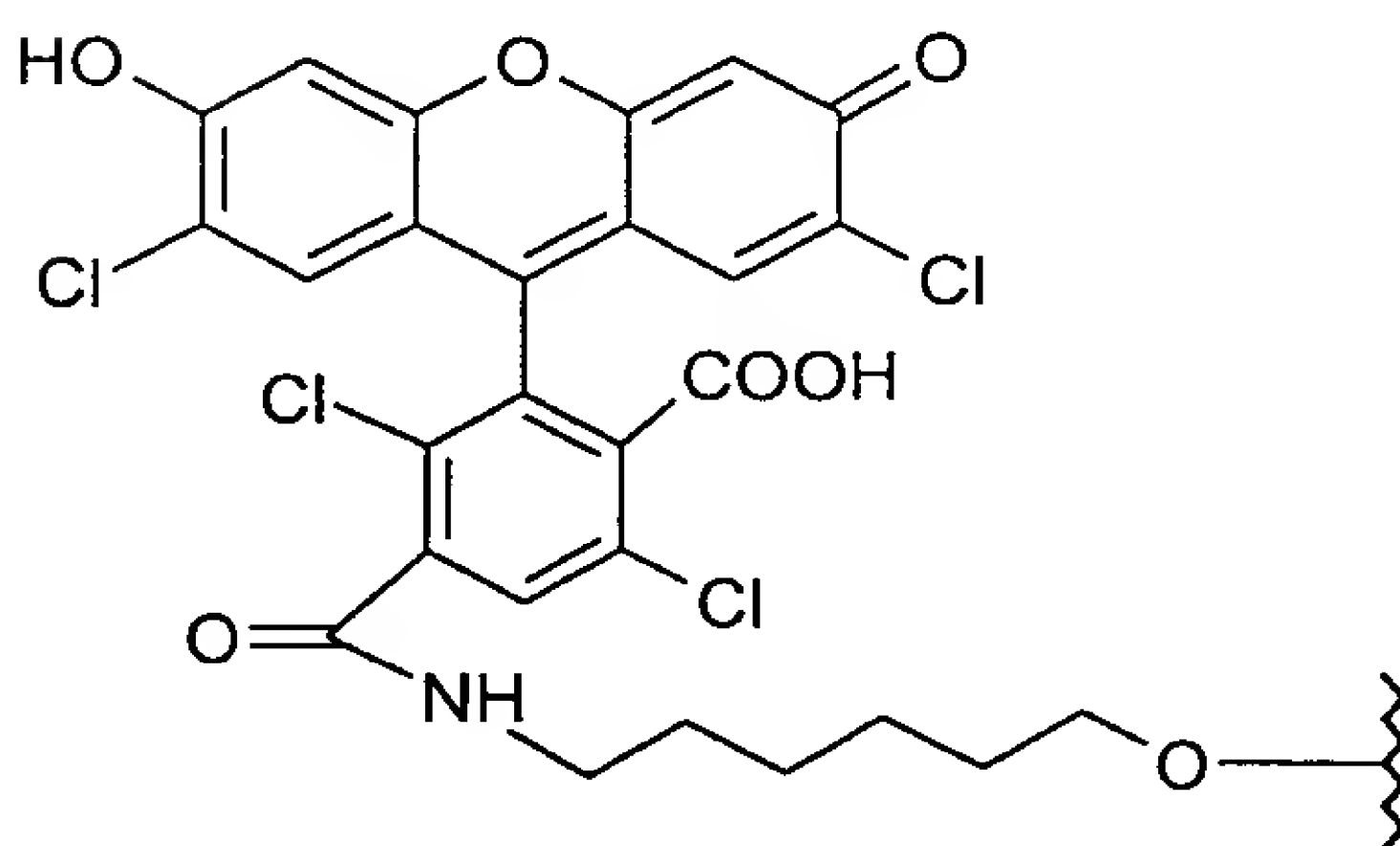
Fig. 1a:



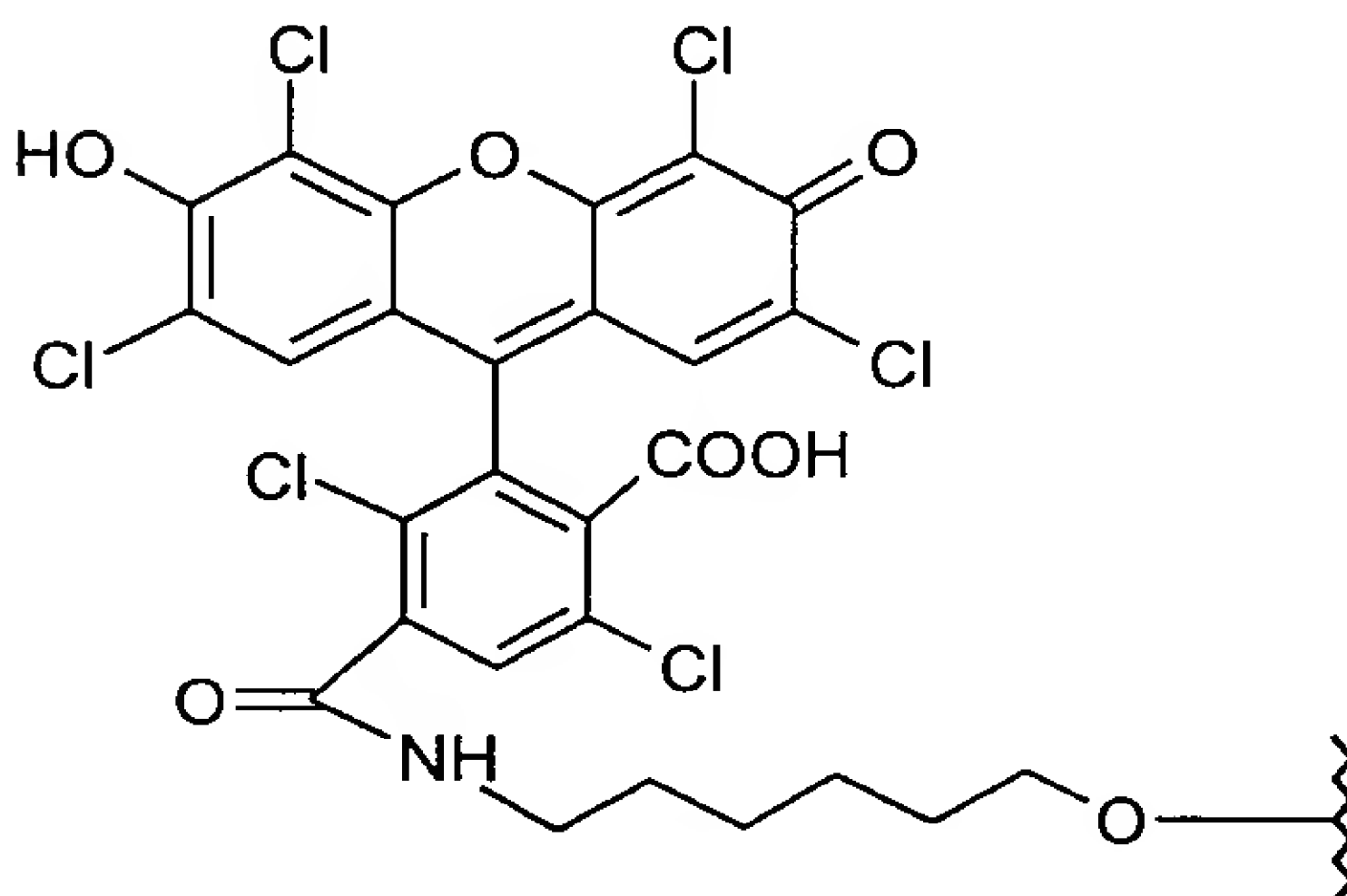
Fluorescein (Amide)



Fluorescein (Thiourea)



Tetrachlorofluorescein



Hexachlorofluorescein

Fig. 1b:

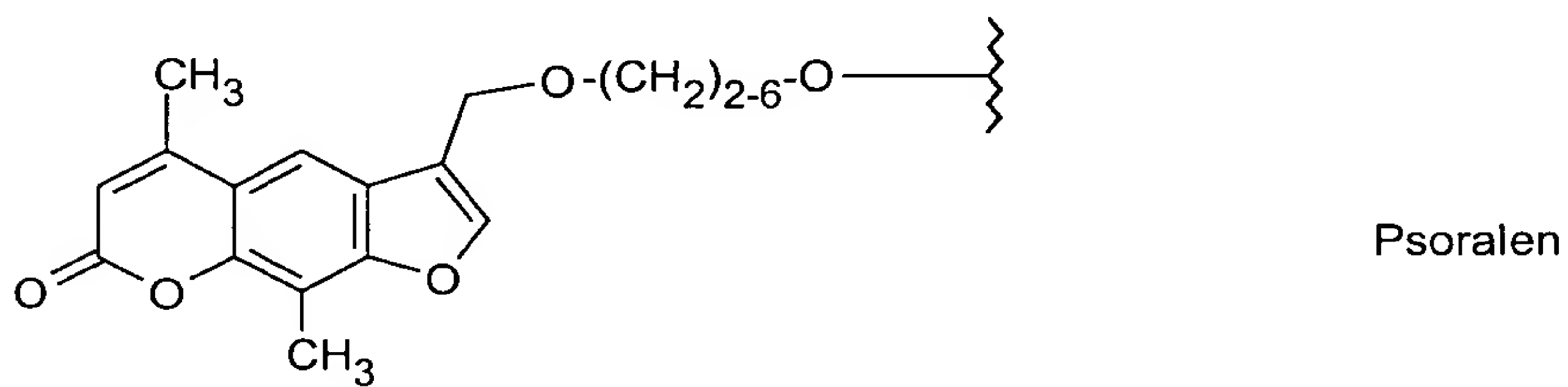
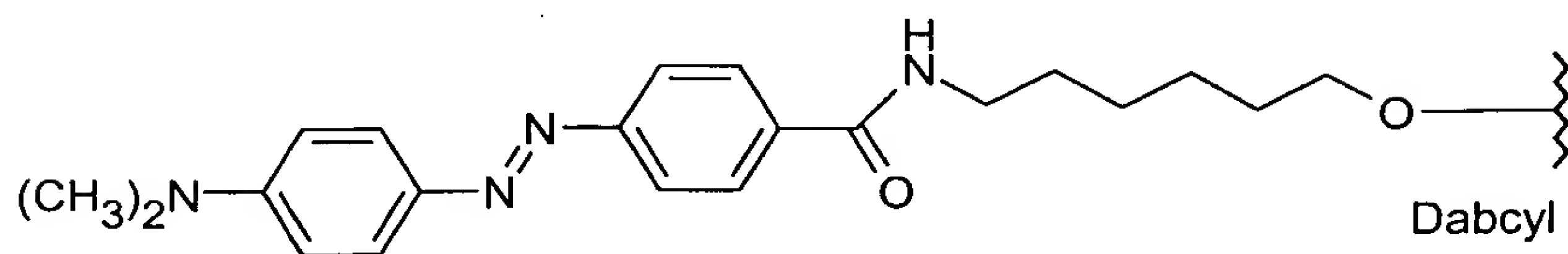
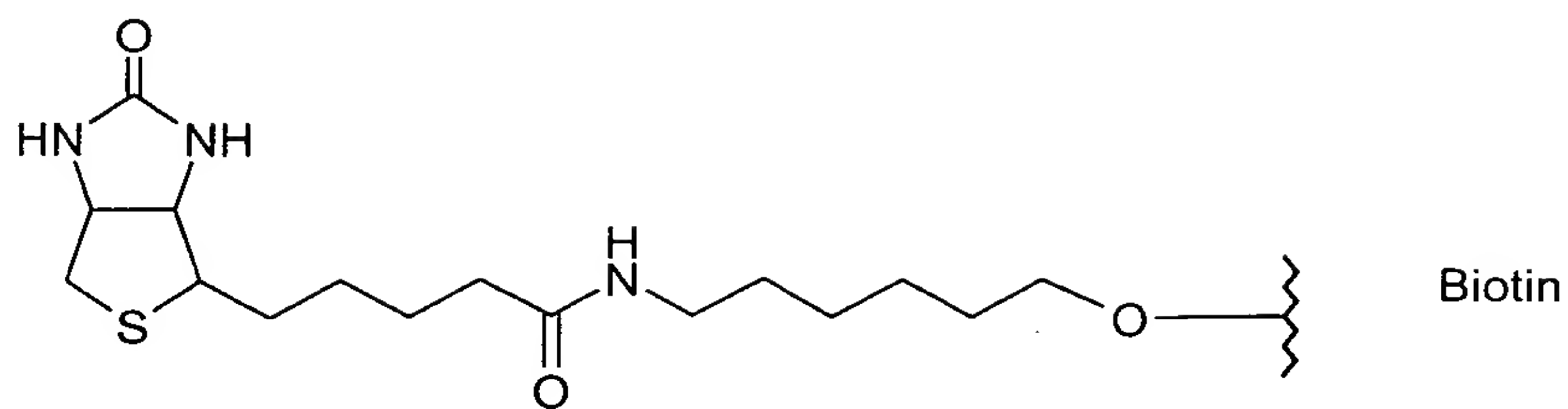


Fig. 2a:

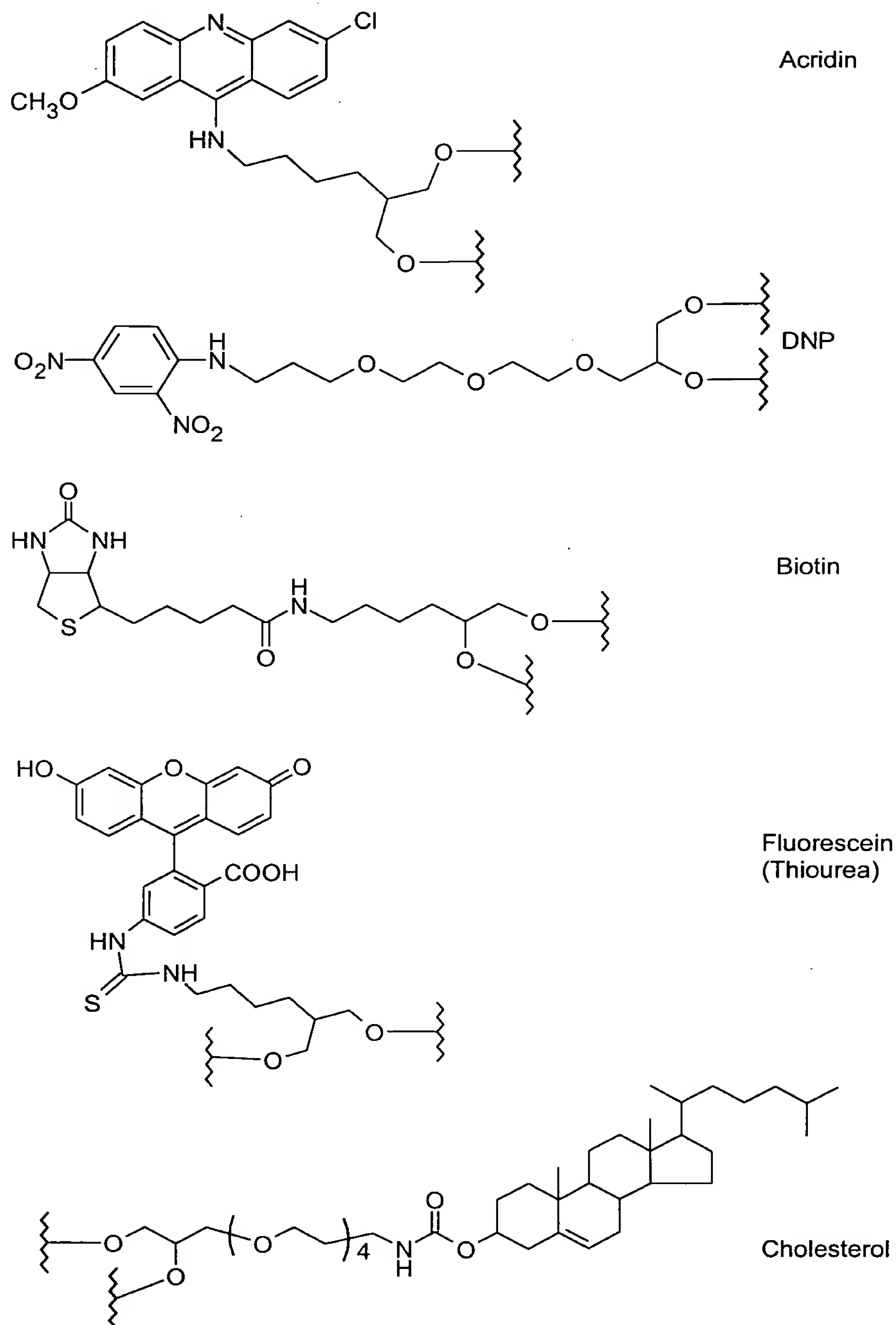
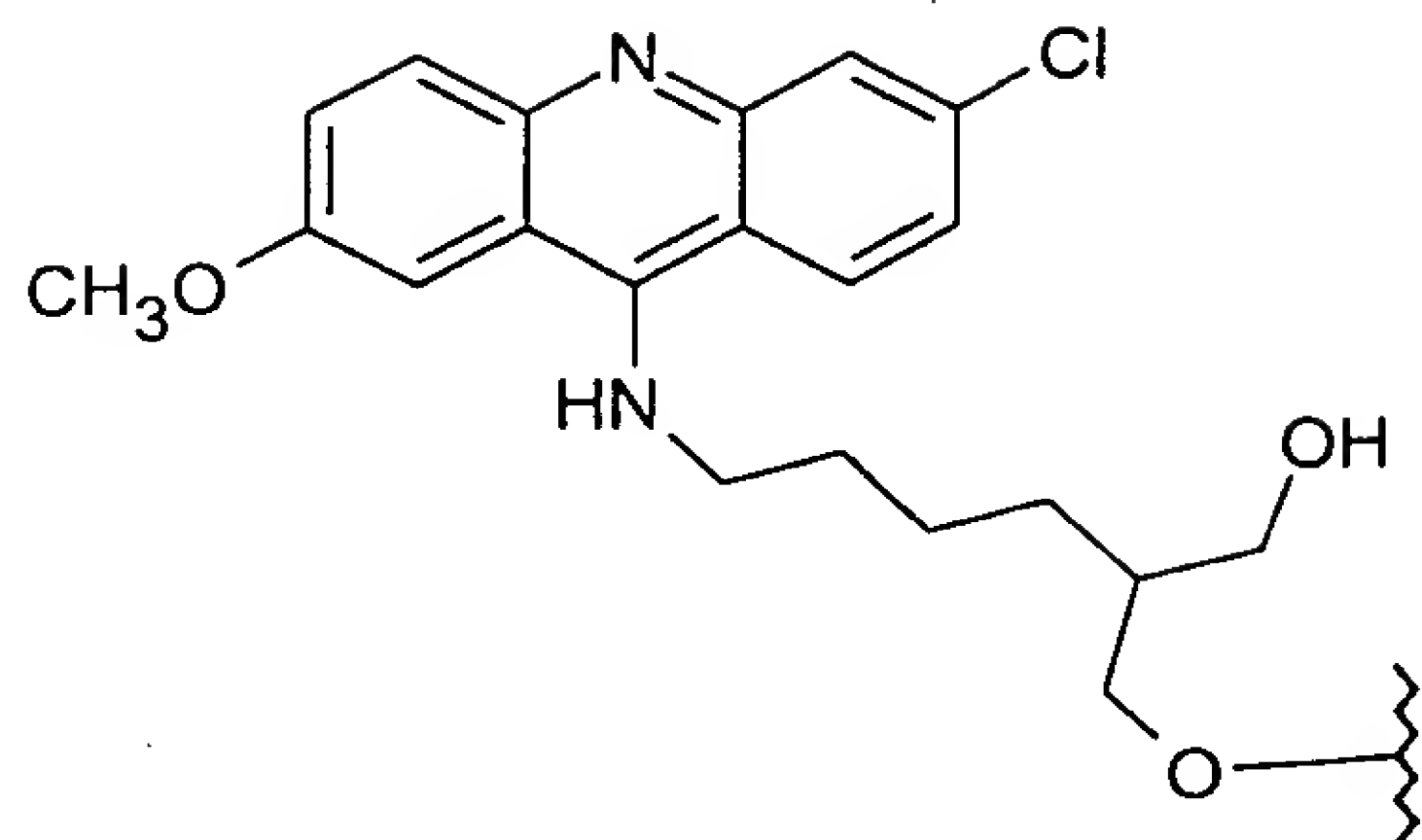
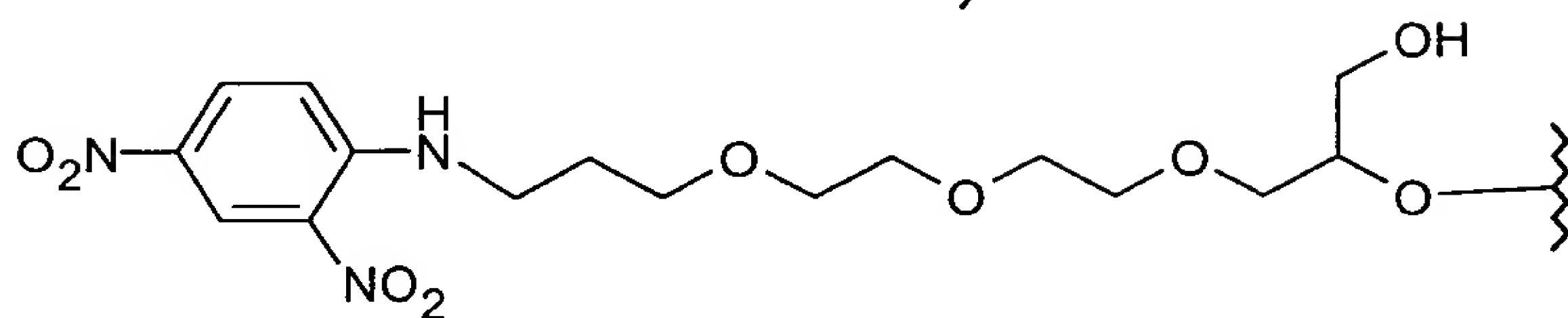


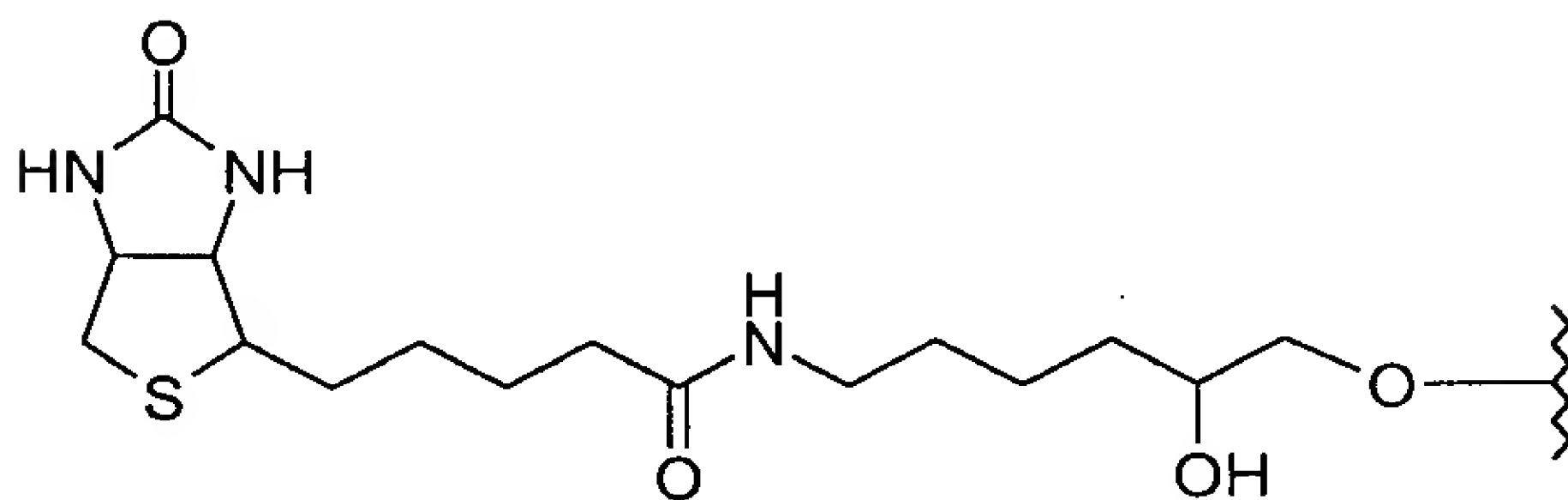
Fig. 2b:



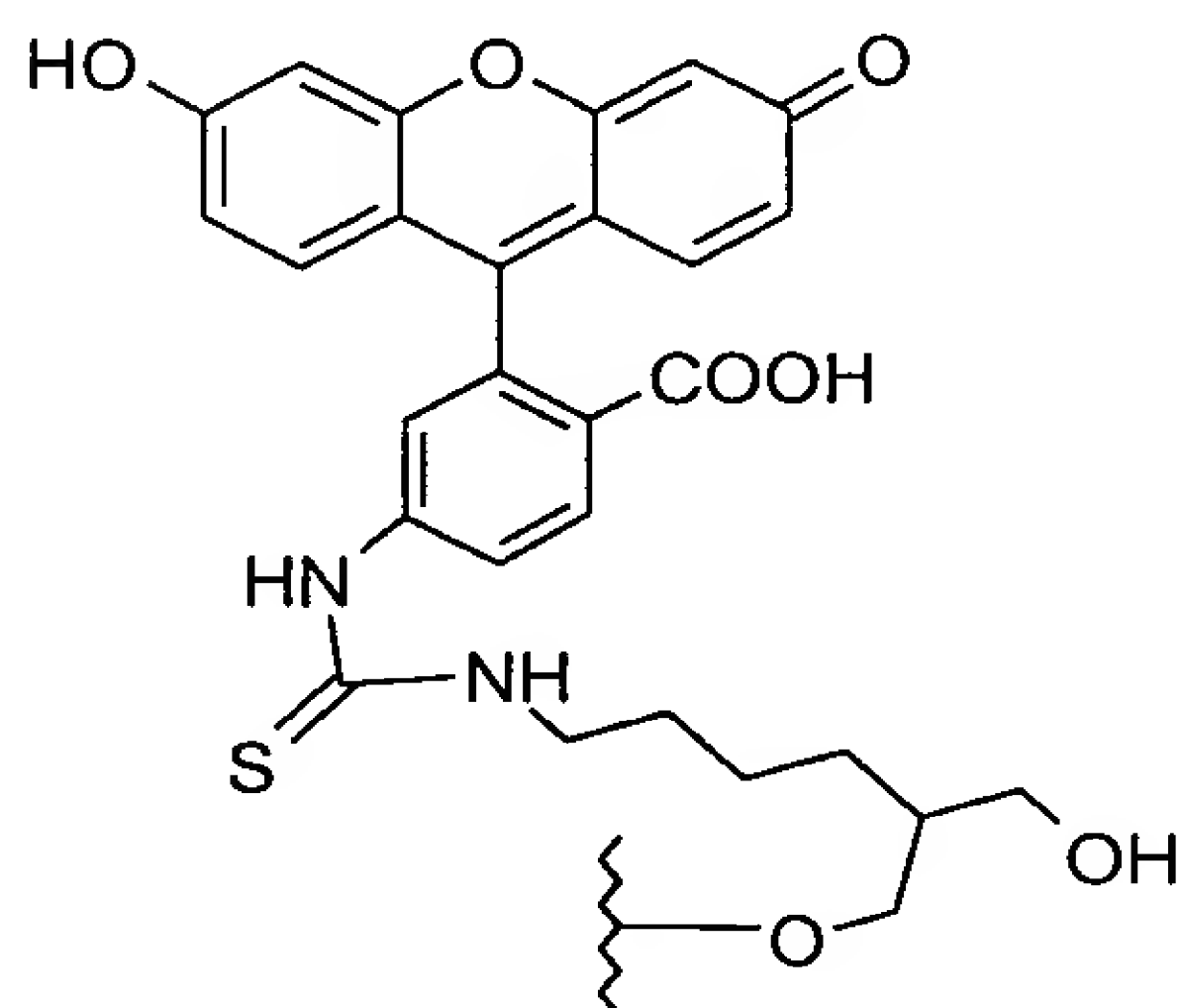
Acridin



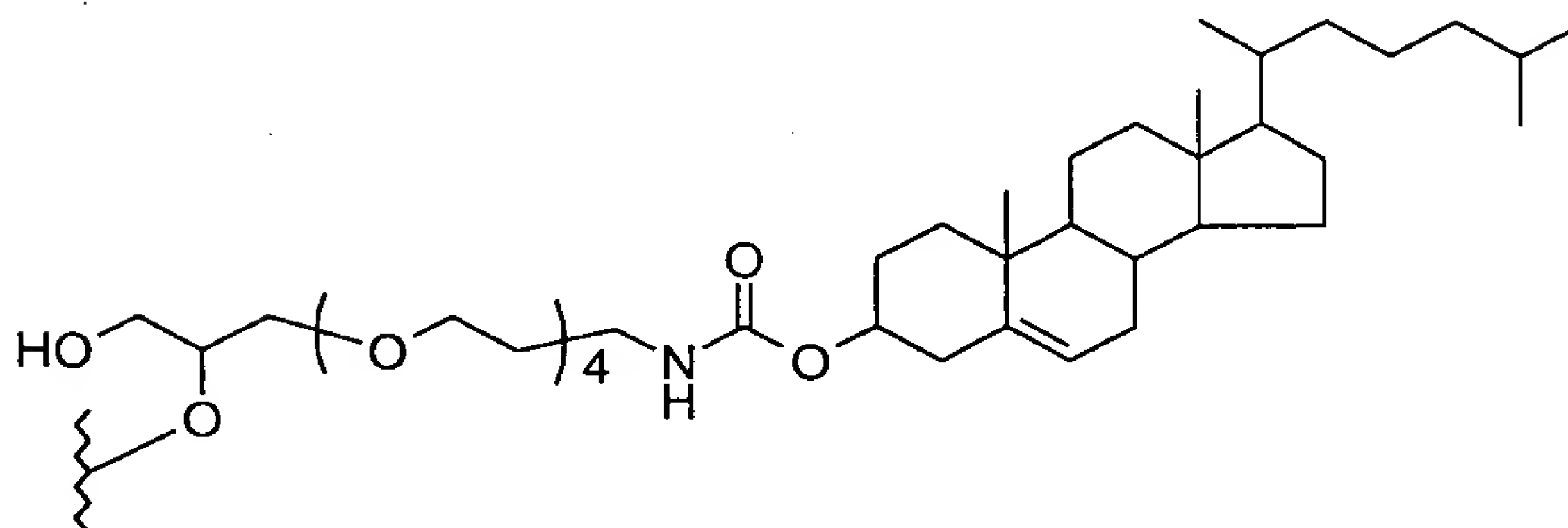
DNP



Biotin

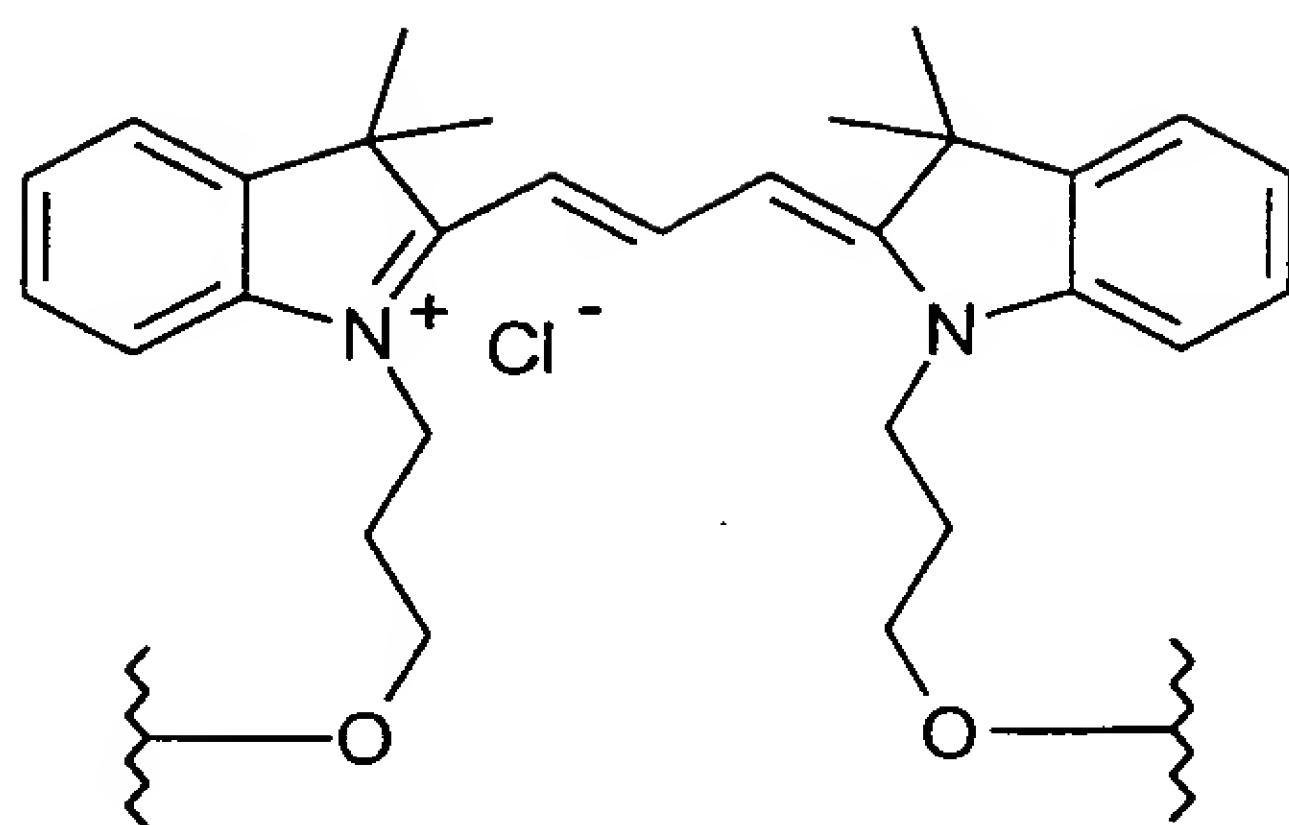


Fluorescein
(Thiourea)

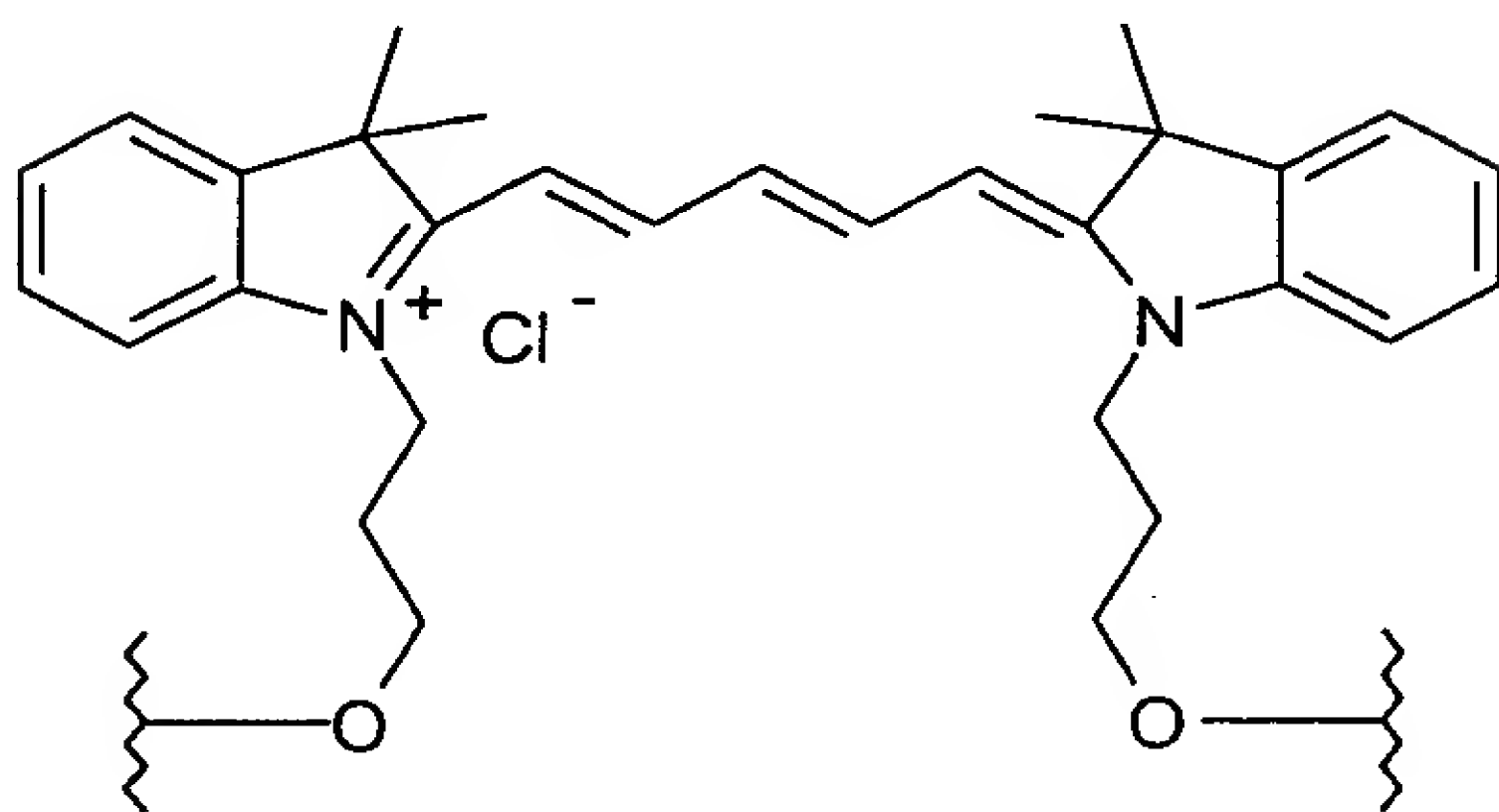


Cholesterol

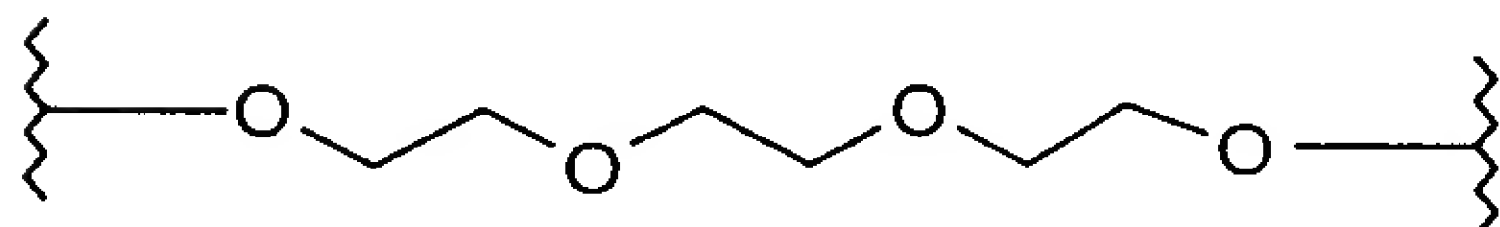
Fig. 3a:



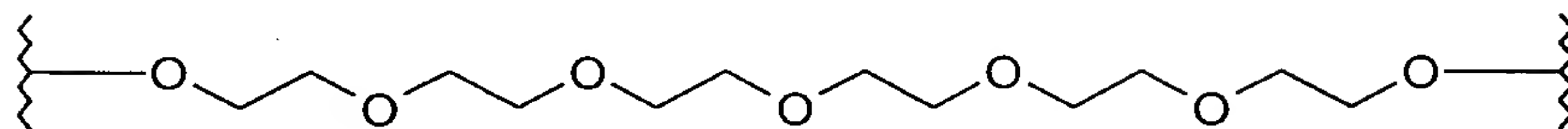
Cy3



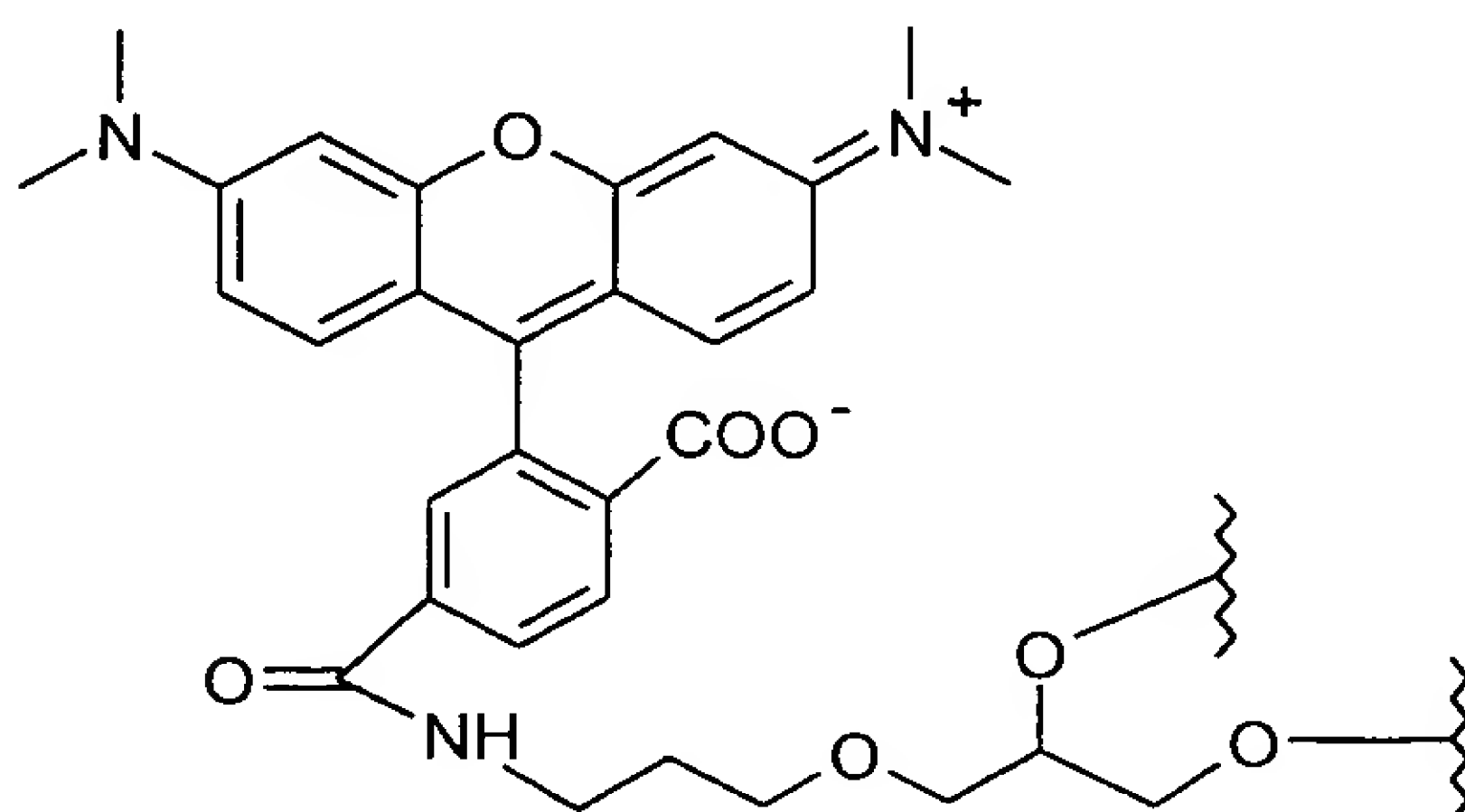
Cy5



Spacer-9

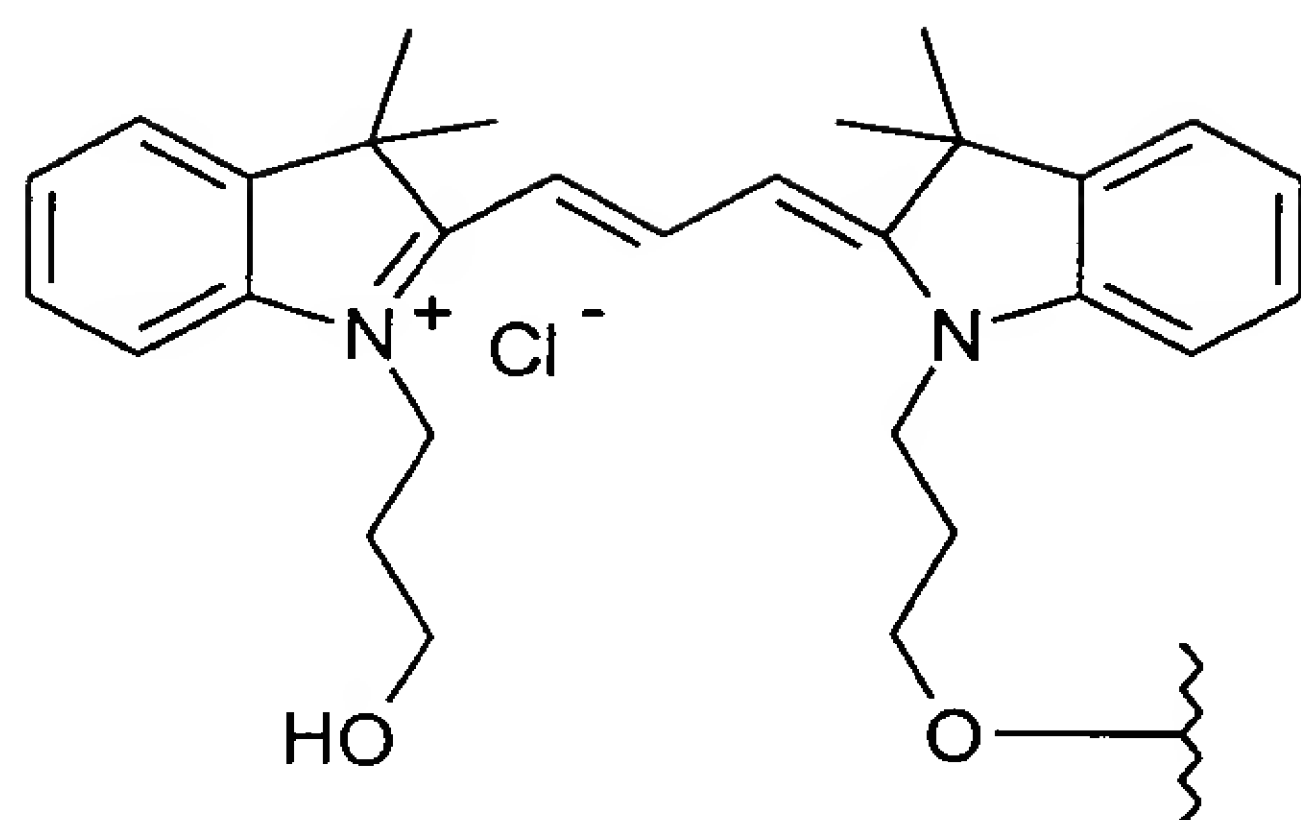


Spacer-18

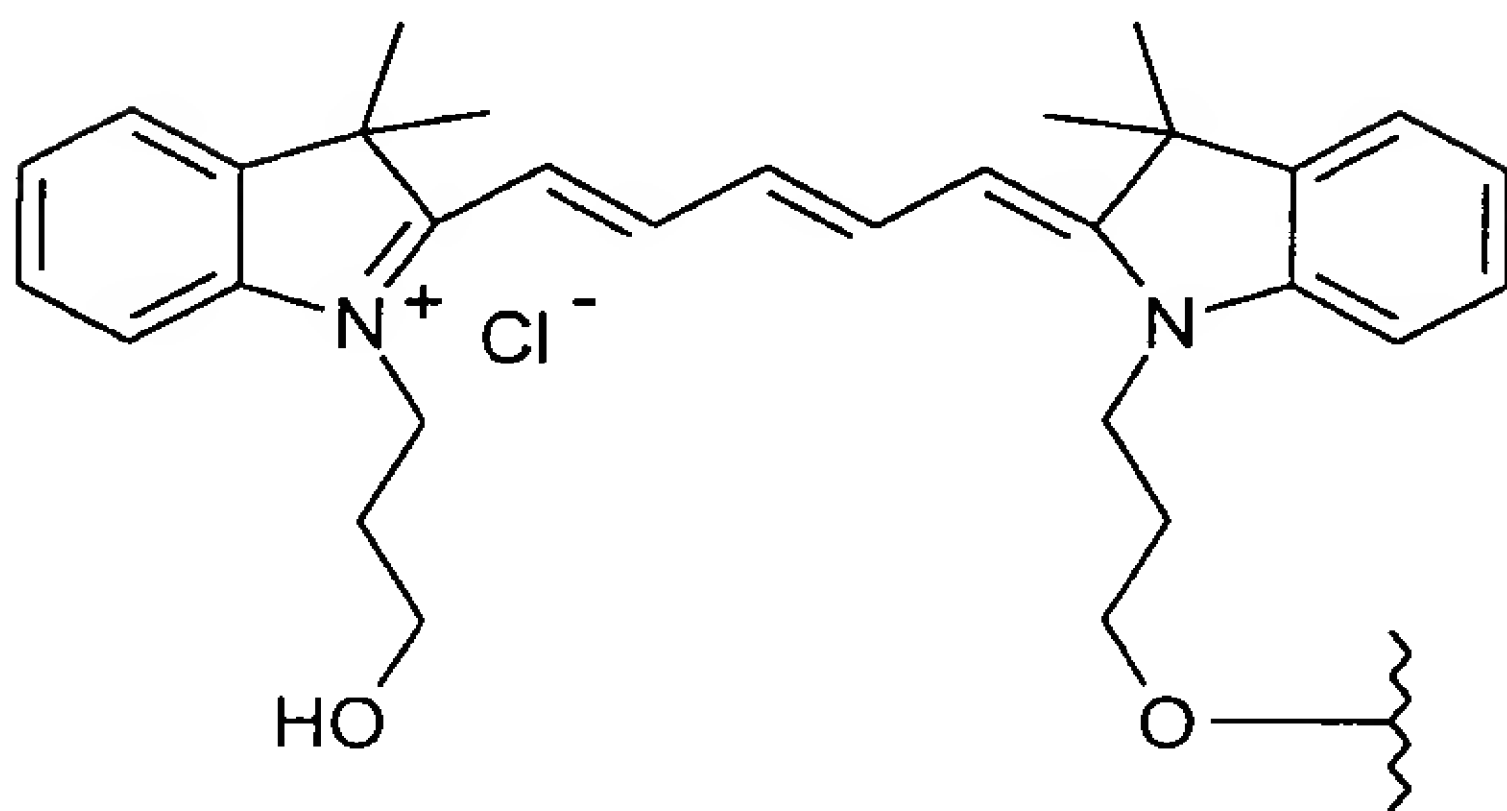


TAMRA

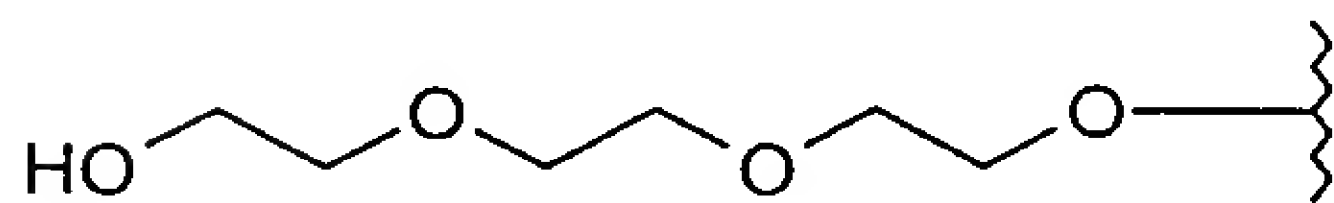
Fig. 3b:



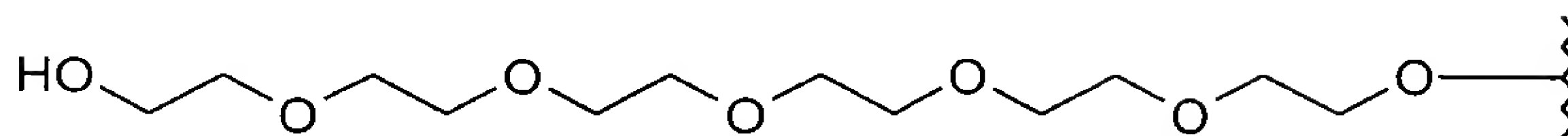
Cy3



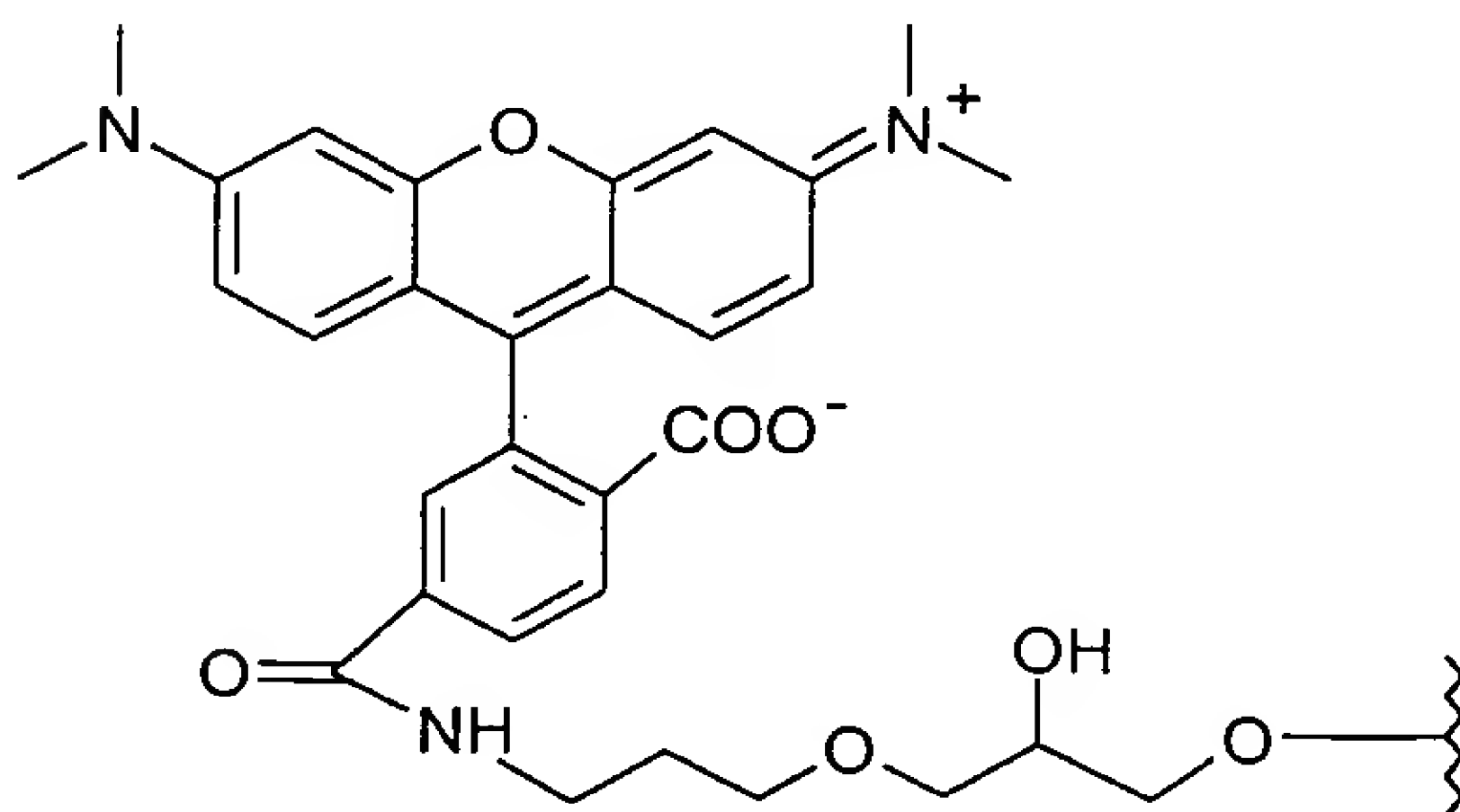
Cy5



Spacer-9

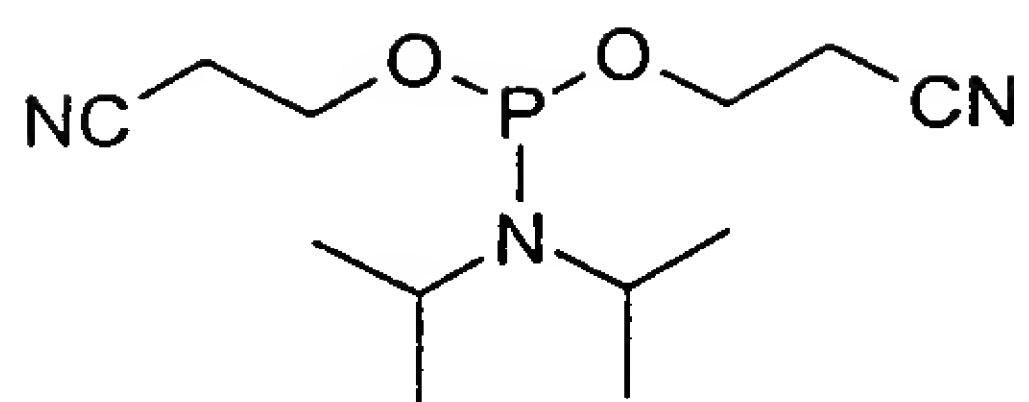


Spacer-18

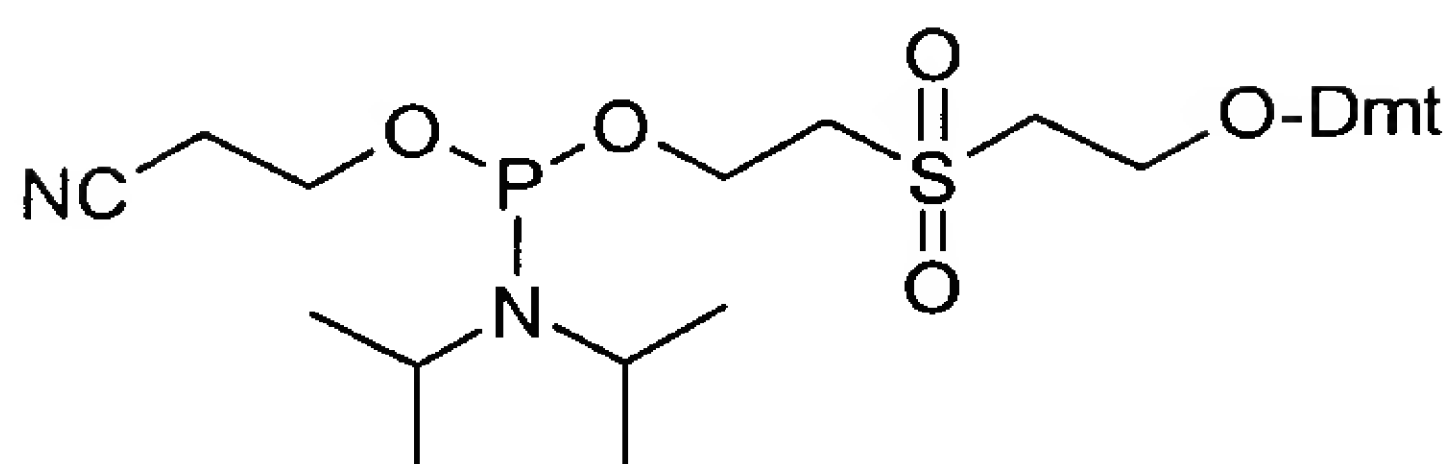


TAMRA

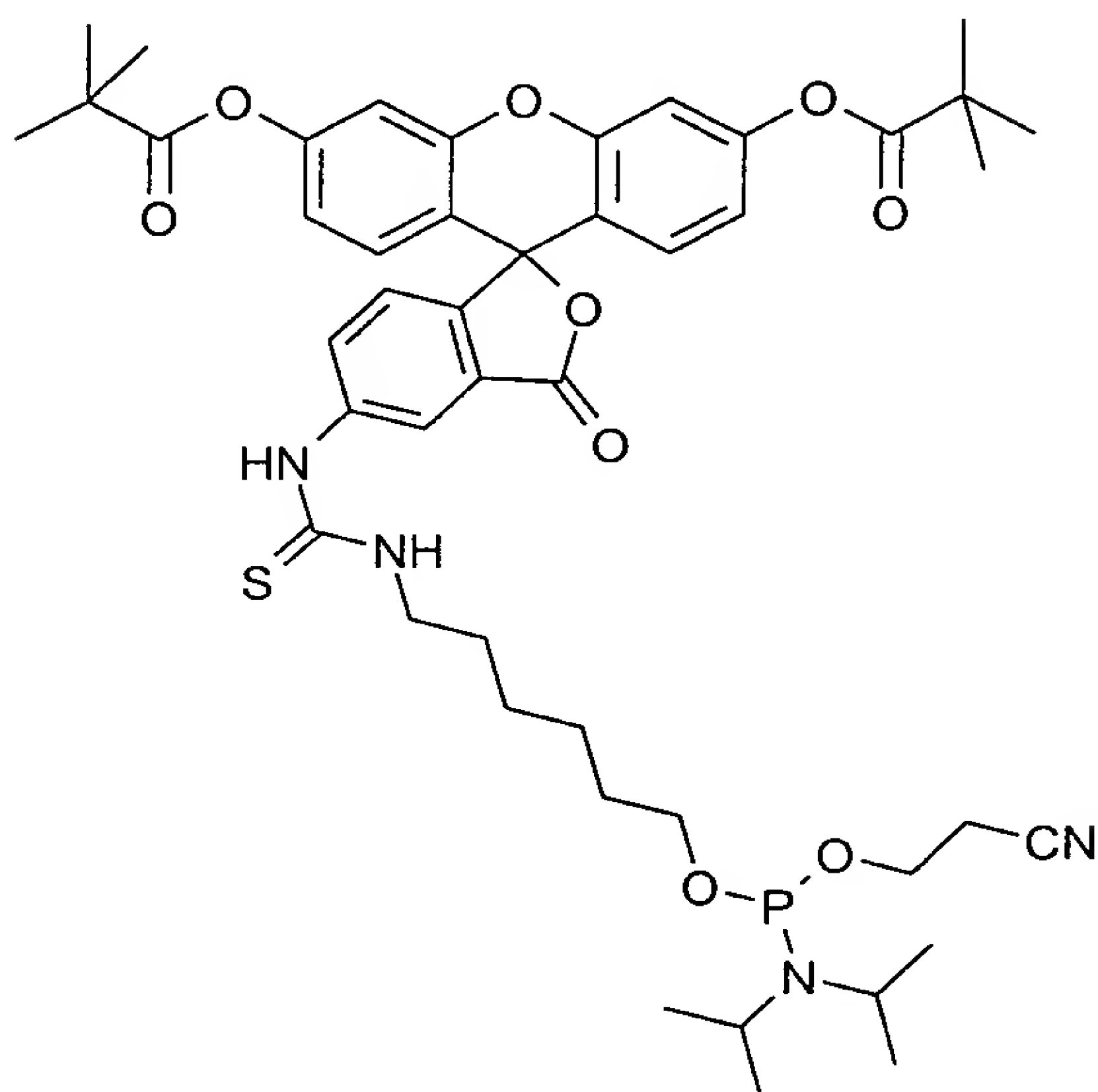
Fig. 4a:



Phosphorylating reagent 1

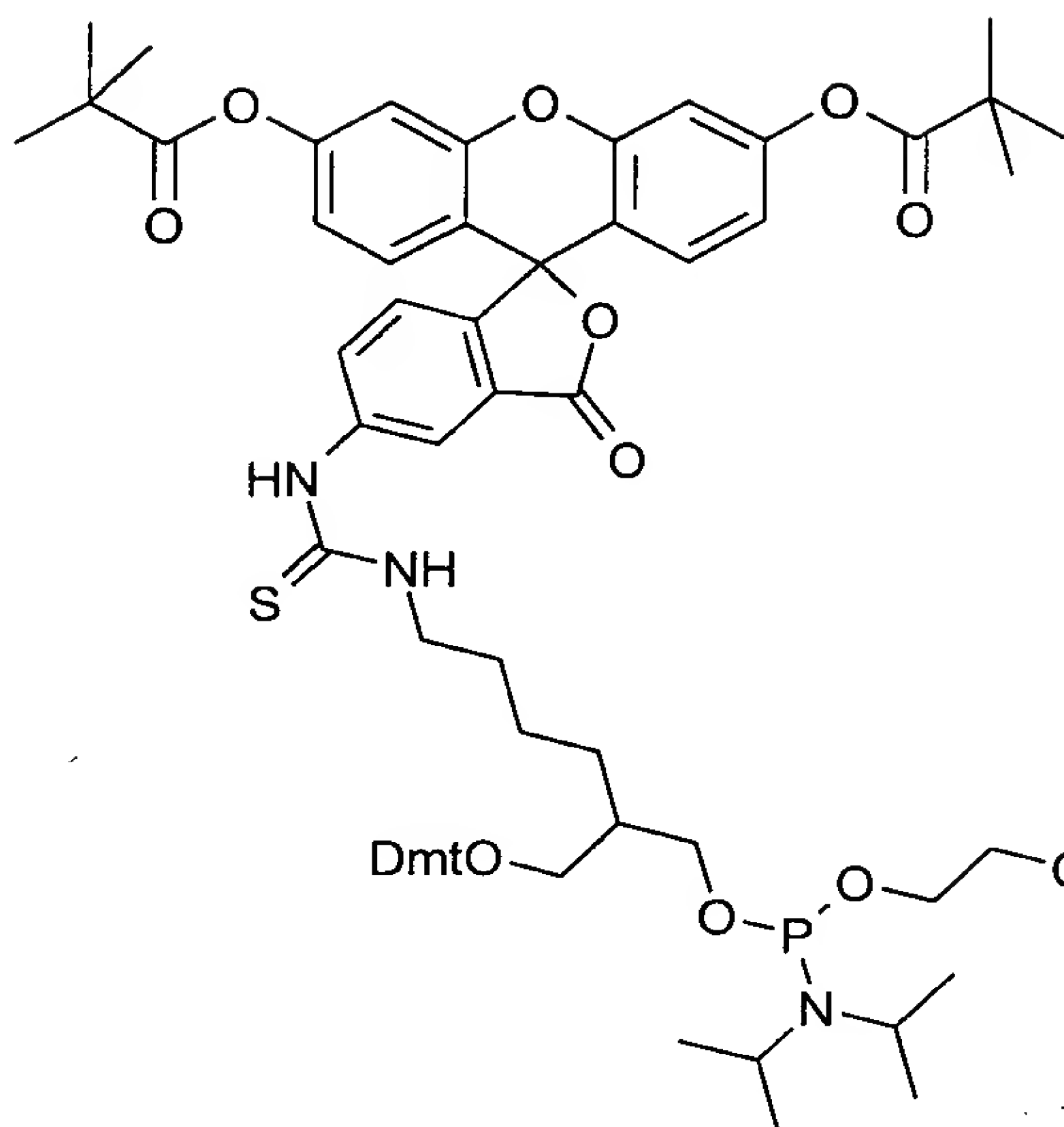


Phosphorylating reagent 2

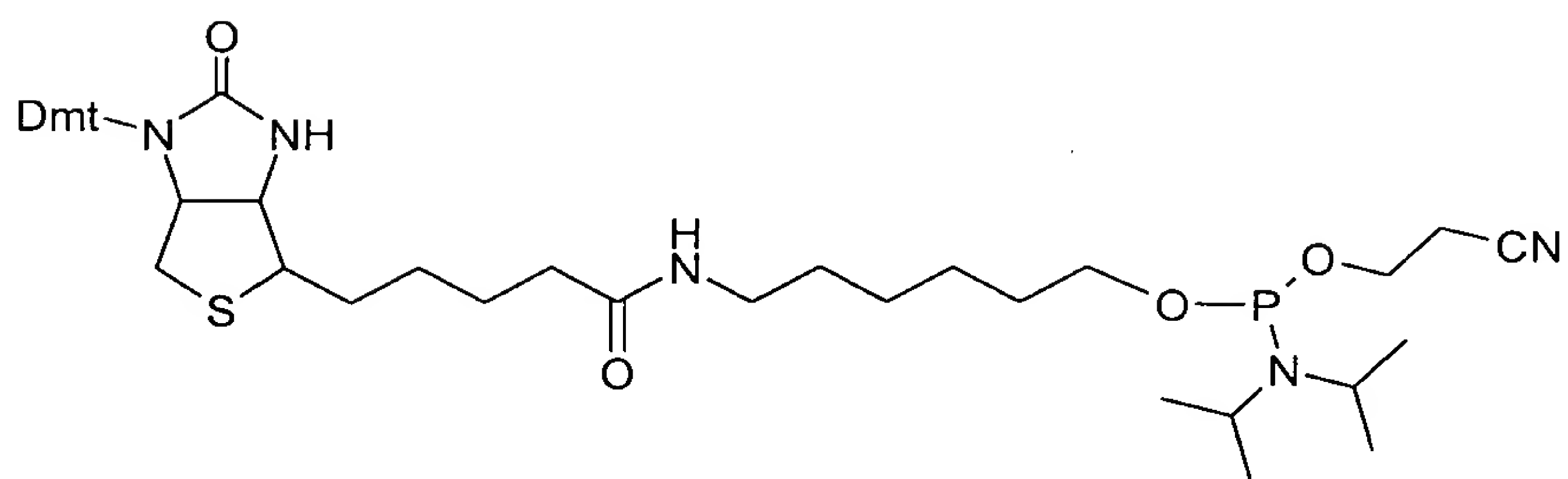


Fluorescein phosphoramidit 3
(monofunctional)

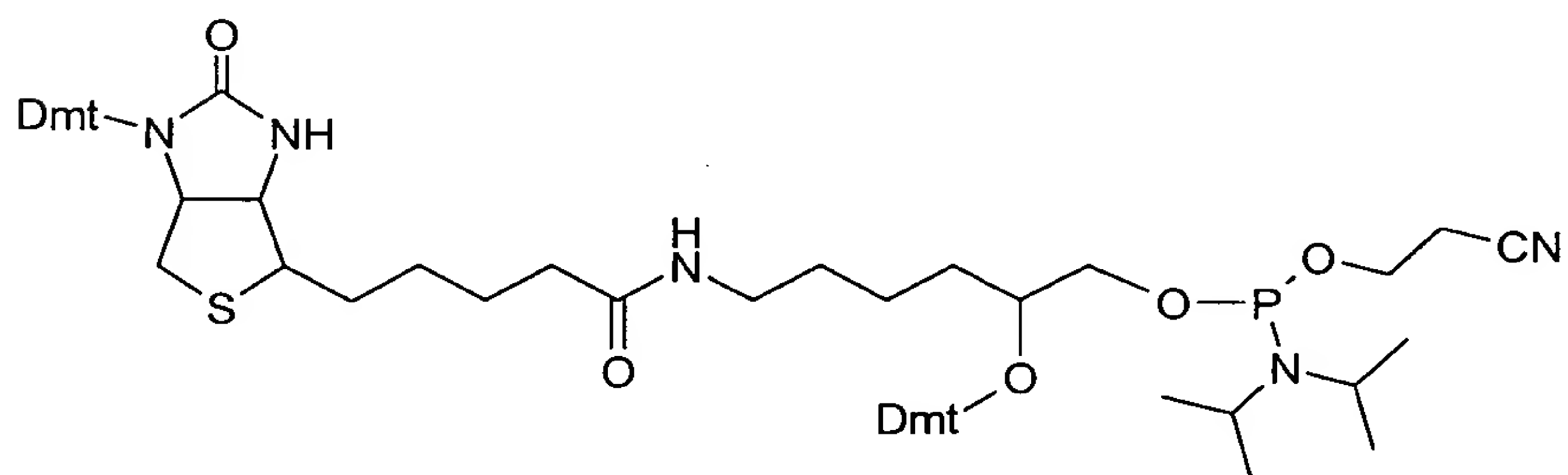
Fig. 4b:



Fluorescein phosphoramidite 4
(bifunctional)



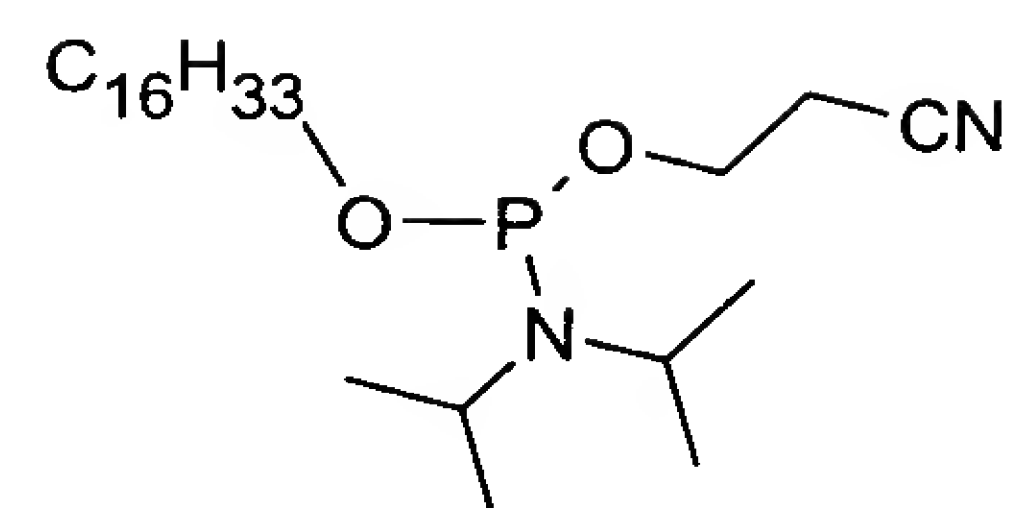
Biotin phosphoramidite 5 (monofunctional)



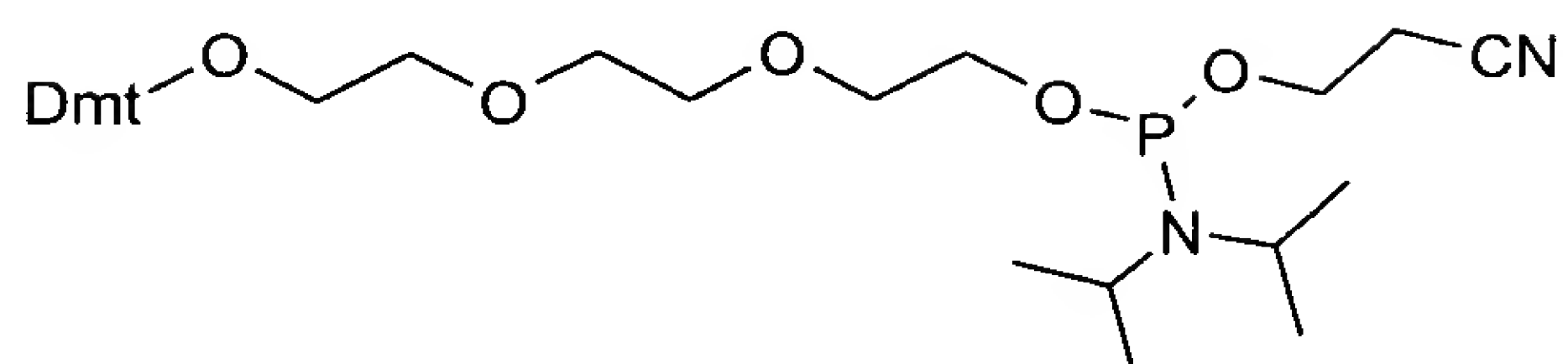
Biotin phosphoramidite 6 (bifunctional)

The image displays five chemical structures, each labeled with a name and a number:

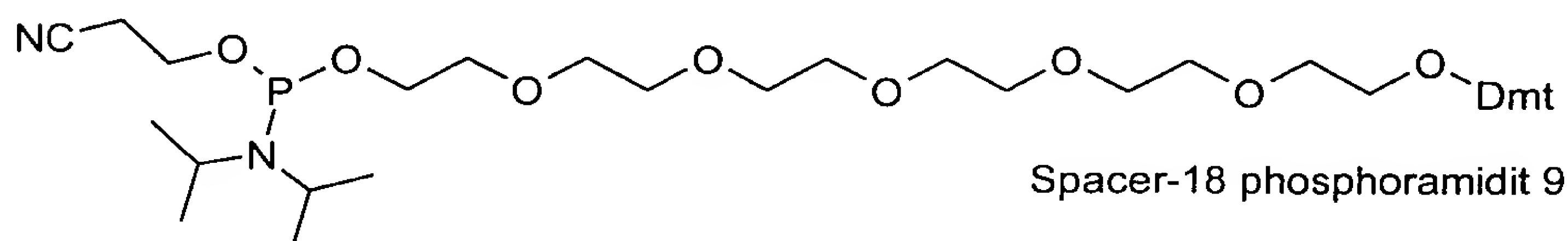
- C16-phosphorylating reagent 7**: A phosphoramidite with a long C₁₆H₃₃ alkyl chain attached to the phosphate group, a 2-cyanoethyl group, and a diisopropylamino group.
- Spacer-9 phosphoramidite 8**: A phosphoramidite with a 9-atom poly(ethylene glycol) spacer between the Dmt group and the phosphate group.
- Spacer-18 phosphoramidite 9**: A phosphoramidite with an 18-atom poly(ethylene glycol) spacer between the Dmt group and the phosphate group.
- Cyanin-3 phosphoramidite 10**: A cyanine dye derivative with a 3-atom poly(ethylene glycol) spacer between the Mmt group and the phosphate group.
- Cyanin-5 phosphoramidite 11**: A cyanine dye derivative with a 5-atom poly(ethylene glycol) spacer between the Mmt group and the phosphate group.



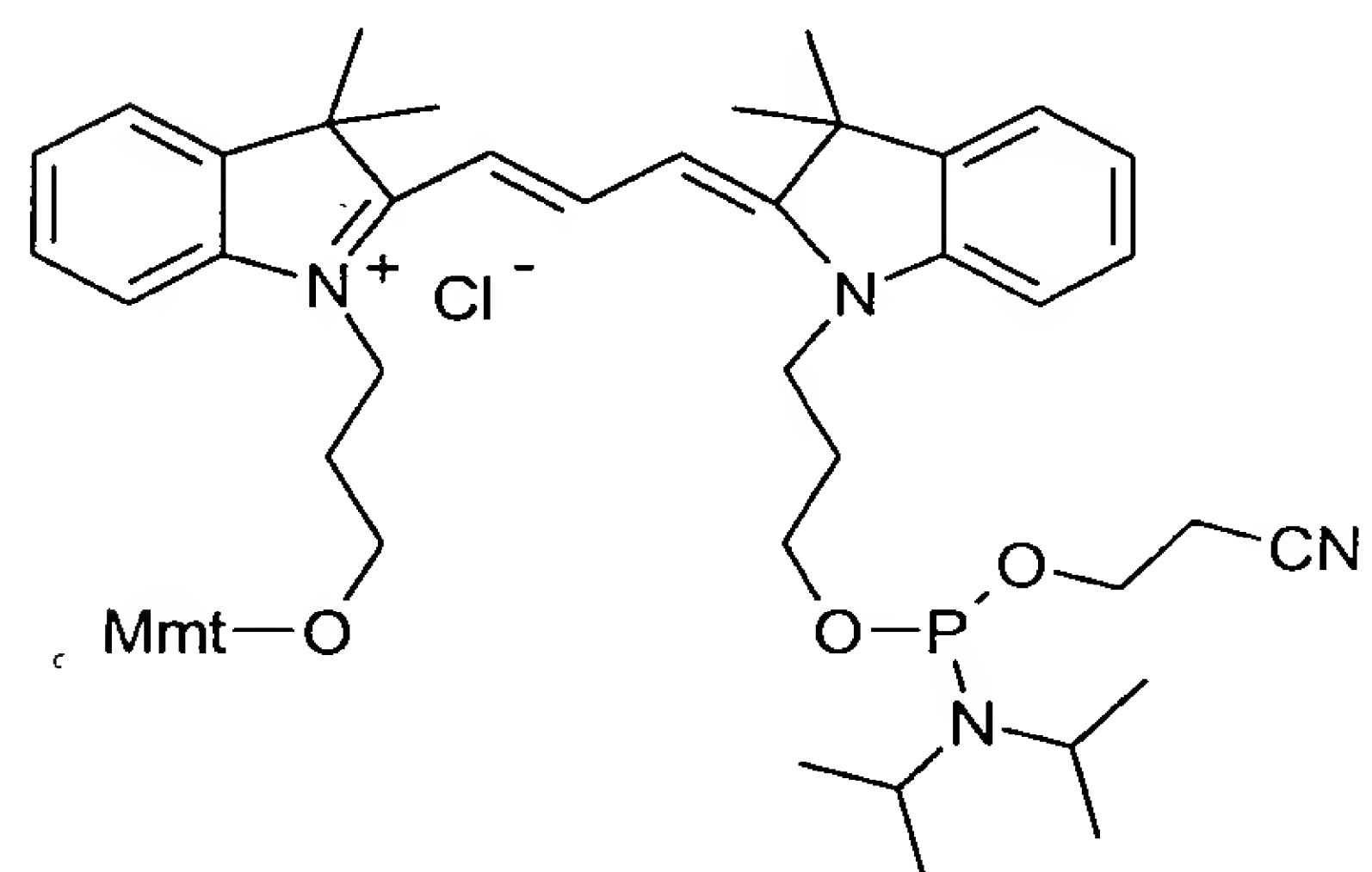
C16-phosphorylating reagent 7



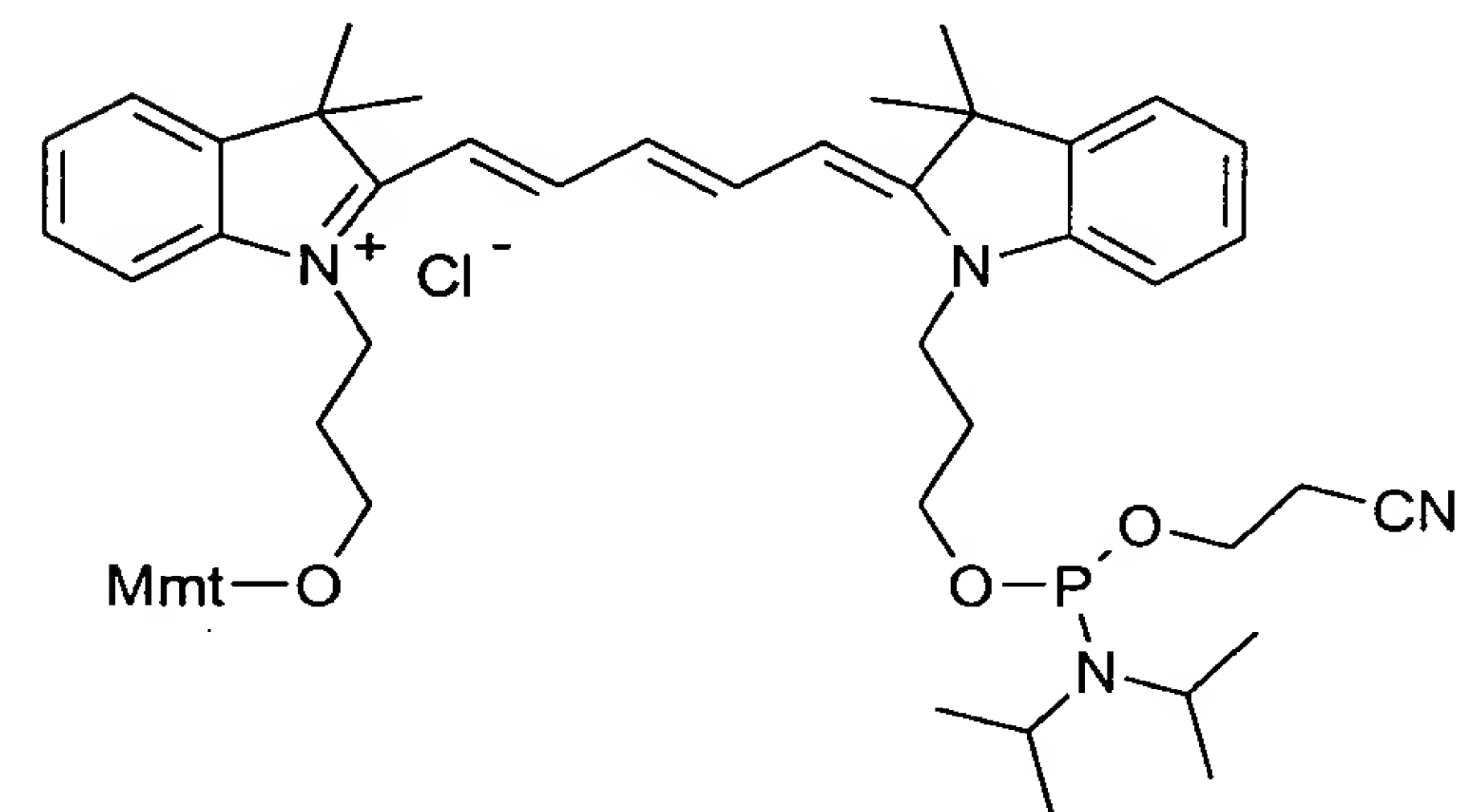
Spacer-9 phosphoramidit 8



Spacer-18 phosphoramidit 9

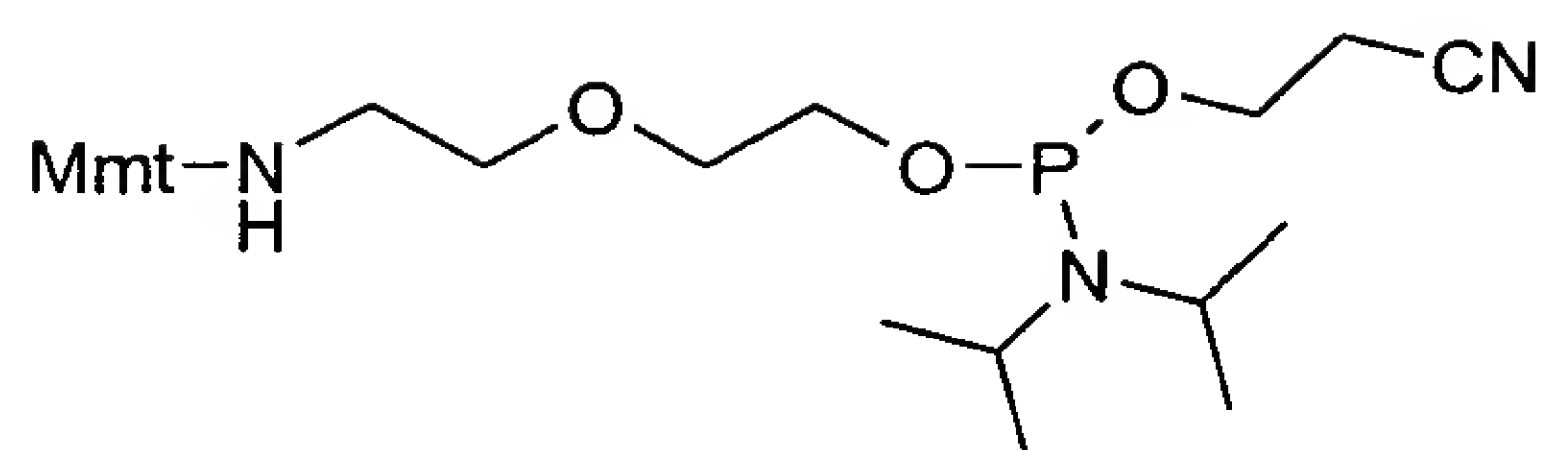


Cyanin-3 phosphoramidit 10

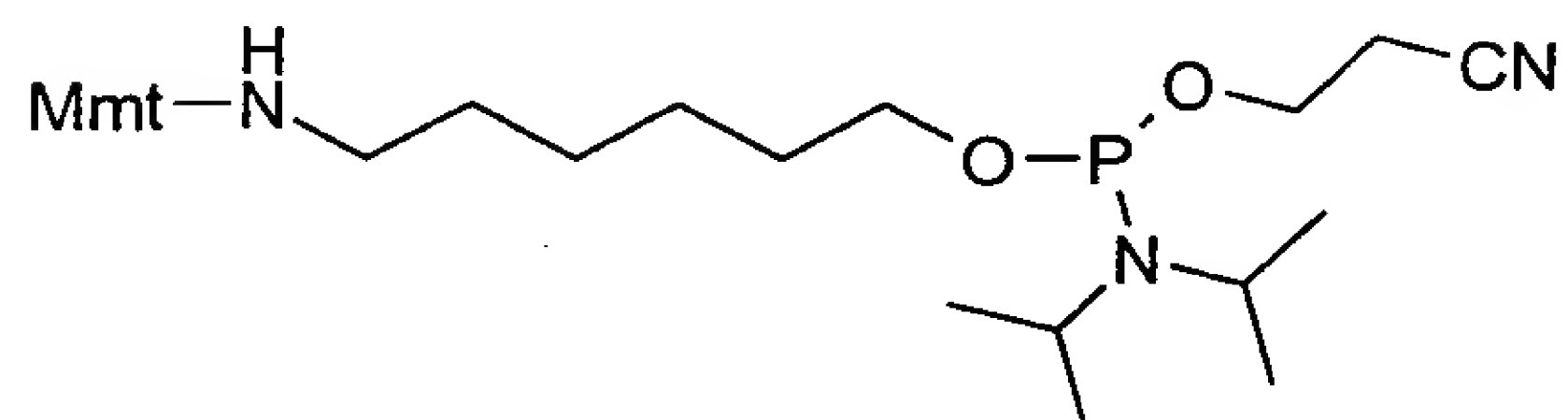


Cyanin-5 phosphoramidit 11

Fig. 4d:



Aminomodifier-5
phosphoramidite 12



Aminomodifier-C6
phosphoramidite 13

Fig. 5a:

